

COMMONWEALTH OF VIRGINIA



Information Technology Resource Management (ITRM)

ENTERPRISE ARCHITECTURE

ENTERPRISE DATA MANAGEMENT (EDM)

PERSON DATA EXCHANGE STANDARD

DATA DICTIONARY

Virginia Information Technologies Agency (VITA)

EDM Person Data Exchange Standard – EDM Person Data Extract Guide Compliance

The following table documents iterations of the EDM Person Data Exchange Standard (DES) and EDM Person Data Extract Guide (DEG) to ensure alignment and compliance.

Date	EDM Person Data Exchange Standard	EDM Person Data Extract Guide	Compliance
12/05/2011	Initial DES Version 1.0 dated 12/05/2011 created	N/A	Initial EDM DES Version 1.0 developed
02/29/2012	DES Version 1.0 dated 02/29/2012 transmitted to IBM	DEG Version v 1.0	The DES Version 1.0 dated 02/29/2012 for matching and non-matching elements was developed and transmitted to IBM
04/09/2012	DES Version 2.0 dated 04/12/2012 developed based on IBM changes to DEG	IBM flattening	Changes made to DES based on email received from IBM Project Manager for EDM
12/14/2012	Made changes based on DEG Version v 5.0	DEG Version v 5.0	DEG Version v 4.0 updated to DEG Version v 5.0. Changes made to DES based on DEG
01/17/2013	Made changes based on DEG Version v 6.0	DEG Version v 6.0	DEG Version v 5.0 updated to DEG Version v 6.0. Changes made to DES based on DEG
02/27/2013	Modified based on direction from the Office of the Attorney General	DEG Version v 6.0	Modified DES based on direction from the Office of the Attorney General

Enterprise Data Management Person Data Exchange Standard Data Dictionary

02/27/2013

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Publication Version Control

The following table contains a history of revisions to this publication.

Version	Date	Description
1.0	12/05/2011	Initial Baseline Document Created
2.0	04/12/2012	Align with Enterprise Data Management Data Extract Guide
3.0	01/17/2013	Align with Enterprise Data Management Data Extract Guide
4.0	02/27/2013	Modified based on direction from the Office of the Attorney General

Introduction

The Enterprise Data Management (EDM) Person Data Exchange Standard establishes the attributes associated with the Person entity in the EDM platform. This document provides data definitions, high-level data specifications and related information for each data element. The Business Narrative for the EDM Person Data Exchange Standard may be accessed at <https://bi.vita.virginia.gov/StdsRepository/rdPage.aspx?rdReport=DisplayStandard&VersionID=126&StandardID=99>.

During the EDM pilot phase, modifications continue to be made to the attributes, data definitions and other data specifications established in EDM Person Data Exchange Standard to accommodate configuration and implementation of the EDM platform. Therefore, the EDM Person Data Exchange Standard shall be defined based on the most current Business Narrative and Data Dictionary published in the Enterprise Architecture (EA) Standards Repository. The EDM Person Data Exchange Standard shall be reviewed on an as-needed basis and an updated version published, as needed, to ensure consistency with EDM. Once the EDM platform has gone into its final production phase, and the physical data model has been finalized, a formal amendment to the EDM Person Data Exchange Standard shall be submitted for adoption by the Secretary of Technology.

NOTE: The attributes for the Person entity may be given varying levels of validation to designate a more trusted source for the particular field. For example, a Person identifier entered by an Agency staff member based on an in-person verification process may be assigned a higher validation level in the EDM platform compared to self-entered information from the Person via an Agency Web site. The highest validation level for each attribute will be used as the trusted source for that Person entity. The values for the validation level will range in numbers from 1 to 1000, with 1000 indicating the most stringent requirements for validation by the source system and 1 indicating the least stringent requirements for validation. If the source system utilizes a higher-level validation protocol or data validation procedure, the value in the Validation Level Qualifier field will be assigned a higher weighted value in the matching algorithm for the EDM system.

The EDM Person Data Exchange Standard has been developed to promote semantic interoperability for the exchange of Person-related data in the EDM platform. The EDM Person Data Exchange Standard is implemented in the EDM platform by the EDM Person Data Extract Guide, which provides the data definitions for each data element in the EDM Person hub and establishes the data extract, transform and load (ETL) process between source systems and the EDM platform. The EDM Person Data Exchange Standard shall be updated on an as-needed basis to ensure alignment between the standard and the EDM Person Data Extract Guide. Once the EDM Person Data Extract Guide has been finalized based on the EDM production phase, a formal amendment to the EDM Person Data Exchange Standard shall be submitted for adoption by the Secretary of Technology.

Attribute: Person

DEFINITION: A Person is a human being.

Enterprise Data Management Person Identifier NUMERIC(10)

DEFINITION: An Enterprise Data Management Person Identifier is a unique identifier assigned to the Person by the Enterprise Data Management system.

Note: The EDM Person Identifier is the unique identifier for each Person record, as assigned in the EDM platform. Since the EDM Person Identifier is not a data element in the source system and is assigned by the EDM system to each Person record once it has been loaded into the EDM platform, the EDM Person Identifier has not been included as a data element in the EDM Person Data Extract Guide.

First Name VARCHAR(30)

DEFINITION: A First Name is the first name of a Person.

Middle Name VARCHAR(30)

DEFINITION: A Middle Name is one or more middle names of a Person.

Last Name VARCHAR(75)

DEFINITION: A Last Name is the last or family name of a Person OR the sole name by which a Person is known.

Suffix VARCHAR(10)

DEFINITION: A Suffix is a term appended after the family name that qualifies the Person's legal name.

REFERENCE VALUES: Suffix (Examples)

Junior
Senior
The Third
The Fourth

Person Name Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person name that indicates the level of validation by the source system.

REFERENCE VALUES: Person Name Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000
Least stringent requirements for validation by the source system: 1

Gender CHAR(10)

DEFINITION: A Gender denotes the gender or sex of a Person.

REFERENCE VALUES: Gender (Examples)

Male

Female

Unknown

Person Gender Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person gender that indicates the level of validation by the source system.

REFERENCE VALUES: Person Gender Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Birth Date DATE(YYYYMMDD)

DEFINITION: A Birth Date is the date a Person was born.

Person Birth Date Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person birth date that indicates the level of validation by the source system.

REFERENCE VALUES: Person Birth Date Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Person Address

DEFINITION: Person Address is a place where a Person may be physically located or a postal location to which paper mail may be directed. Multiple entries will be maintained in the Enterprise Data Management platform for the Person Address attribute.

The EDM platform uses a flat file format for the data extract, transform and load (ETL) process. The EDM Person Data Extract Guide has Person Address defined as three types, Physical, Mailing and Other. The data elements Address Line 1 and Address Line 2 have been flattened out in the EDM Person Data Extract Guide as Physical Address (Stline1), Physical Address (Stline2), Mailing Address (Stline1), Mailing Address (Stline2), Other Address (Stline1) and Other Address (Stline2).

NOTES: USPS International Addressing: <https://www.usps.com/ship/international-address-tips.htm> ;
http://pe.usps.gov/text/imm/immc1_007.htm

USPS Military Addressing: <https://www.usps.com/send/apo.htm>

USPS Publication 28 - Postal Addressing Standards: <http://pe.usps.gov/text/pub28/welcome.htm>

Address Purpose Code VARCHAR(3)

DEFINITION: An Address Purpose Code denotes the type of address as designated by the Person.

REFERENCE VALUES: Address Purpose Code (Examples)

Physical
Mailing
Other

Address Type Code VARCHAR(3)

DEFINITION: An Address Type Code is the location of the address relative to the United States.

REFERENCE VALUES: Address Type Code (Examples)

Domestic
Military
International

Address Line 1 VARCHAR(75)

DEFINITION: An Address Line 1 is the physical structure at an address or a single place or unit to which mail is delivered.

Address Line 2 VARCHAR(75)

DEFINITION: An Address Line 2 is the particular unit within a larger unit or grouping at a location.

City Name VARCHAR(30)

DEFINITION: A City Name is the name of a city or town.

State Or Province VARCHAR(15)

DEFINITION: A State Or Province is the state, commonwealth, province, or other such geopolitical subdivision of a country.

REFERENCE VALUES: State Or Province (Examples)

USPS Publication 28 = Two-Letter State and Possession Abbreviations (e.g., VA)

Canada Post Corporation Addressing Guidelines = Canadian Provinces and Territories (e.g., ON)

ISO 3166-2:2007 Codes for the representation of names of countries and their subdivisions –

Part 2: Country subdivision code

Postal Code VARCHAR(15)

DEFINITION: A Postal Code is the identifier of a post office-assigned zone for an address, referred to as a ZIP Code and ZIP+4 in the U.S.

Country Name VARCHAR(50)

DEFINITION: A Country Name is the country, territory, dependency, or other such geopolitical subdivision of a location. Required if Address Type is International.

REFERENCE VALUES: Country Name (Examples)

ISO 3166-1 Country Name Text

State-Locality Code CHAR(5)

DEFINITION: A State-Locality Code is the county, parish, vicinage, or other such geopolitical subdivision of a US state. Previously known as FIPS Codes.

REFERENCE VALUES: State-Locality Code (Examples)

ANSI INCITS 31:2009

Person Address Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Address attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Address Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least Stringent requirements for validation by the source system: 1

Attribute: Person Alias

DEFINITION: Person Alias is an alternate name used by a Person. Multiple entries will be maintained in the Enterprise Data Management platform for the Person Alias attribute.

Alias First Name VARCHAR(30)

DEFINITION: An Alias First Name is the alternate first name of a Person.

Alias Middle Name VARCHAR(30)

DEFINITION: An Alias Middle Name is one or more alternate middle names of a Person.

Alias Last Name VARCHAR(75)

DEFINITION: An Alias Last Name is the alternate last or family name of a Person OR the sole alternate name by which a Person is known.

Alias Suffix VARCHAR(10)

DEFINITION: An Alias Suffix is a term appended after the alternate family name that qualifies the Person's alternate name.

REFERENCE VALUES: Alias Suffix (Examples)

Junior
Senior
The Third
The Fourth

Person Alias Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Alias attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Alias Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000
Least stringent requirements for validation by the source system: 1

Attribute: Person Identifier

DEFINITION: Person Identifier is an alphanumeric value assigned to a Person by an organization for the purpose of identifying the Person. Multiple entries will be maintained in the Enterprise Data Management platform for the Person Identifier attribute.

The EDM platform uses a flat file format for the data extract, transform and load (ETL) process. . The EDM Person Data Extract Guide has Person Identifier defined as three different identifiers, Social Security Number, Driver's License Number and Medicaid ID. The data elements Person Identifier and Person Identifier Validation Level Qualifier have been flattened out in the EDM Person Data Extract Guide to Social Security Number, Social Security Number Validation Level Qualifier, Driver's License Number, Driver's License Number Validation Level Qualifier, Medicaid ID and Medicaid ID Validation Level Qualifier.

Person Identifier Originating Authority VARCHAR(40)

DEFINITION: A Person Identifier Originating Authority denotes the organization that assigned the identifier to the Person. Valid values will be determined as Agencies become onboarded into the Enterprise Data Management system.

REFERENCE VALUES: Person Identifier Originating Authority (Examples)

Centers for Medicare & Medicaid Services
U.S. Social Security Administration
Virginia Department of Motor Vehicles

Person Identifier VARCHAR(60)

DEFINITION: A Person Identifier is the alphanumeric value assigned to the Person.

REFERENCE VALUES: Identifying Value (Examples)

Medicaid Identification Number
Social Security Number
Virginia Driver's License Number

Person Identifier Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Identifier attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Identifier Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000
Least stringent requirements for validation by the source system: 1

Attribute: Person Telephone Number

DEFINITION: Person Telephone Number is a number for a telecommunication device by which a Person may be contacted. Multiple entries will be maintained in the Enterprise Data Management platform for the Person Telephone Number attribute.

The EDM platform uses a flat file format for the data extract, transform and load (ETL) process. . The EDM Person Data Extract Guide has Person Telephone Number defined as two types, Primary Telephone Number and Alternate Telephone Number. The data elements Telephone Number Country Code and Telephone Number Area Code have been flattened out in the EDM Person Data Extract Guide to Primary Phone Country Code, Primary Phone Area Code, Alternate Phone Country Code and Alternate Phone Area Code.

Person Telephone Number Purpose Code CHAR(3)

DEFINITION: A Person Telephone Number Purpose Code denotes the use associated with the phone number as designated by the Person.

REFERENCE VALUES: Telephone Number Purpose Code (Examples)

Primary
Alternate

Telephone Number Country Code VARCHAR(5)

DEFINITION: A Telephone Country Code is the international dialing code for a country.

Telephone Number Area Code CHAR(3)

DEFINITION: A Telephone Number Area Code is the dialing code for a state or province for phone numbers.

Telephone Number VARCHAR(20)

DEFINITION: A Telephone Number is the portion of a telephone number that usually represents a central telephone switch and the individual circuit within an exchange.

Telephone Number Extension VARCHAR(15)

DEFINITION: A Telephone Number Extension is the set of additional numbers to be entered after a call connects to be directed to the appropriate station.

Person Telephone Number Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the telephone number attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Telephone Number Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000
Least stringent requirements for validation by the source system: 1

Attribute: Source Data System Identifier

DEFINITION: Source Data System Identifier is an alphanumeric value assigned to a Person by the organization that submitted the Person record into the Enterprise Data Management system. The value is the unique identifier assigned by the source Agency to uniquely identify the Person.

Delete Indicator CHAR(1)

DEFINITION: An Indicator used to mark a record for deletion.

REFERENCE VALUES: Delete Indicator (Examples)

Y – Delete Record

N – Do Not Delete Record

Identifier Originating Authority CHAR(40)

DEFINITION: An Identifier Originating Authority denotes the organization that assigned the identifier to the Person. Valid values will be determined as Agencies join the Enterprise Data Management platform.

REFERENCE VALUES: Identifier Originating Authority (Examples)

Virginia Department of Motor Vehicles

Virginia Department of Social Services

Source Data System Identifier VARCHAR(60)

DEFINITION: A Source Data System Identifier is the alphanumeric value assigned by the source Agency to the Person as a unique identifier.

REFERENCE VALUES: Identifying Value (Examples)

Virginia Driver's License Number

Agency Program Case Identification Number

Attribute: Person Citizenship

DEFINITION: Person Citizenship is the legal status of a Person as a U.S. Citizen, legal alien or other category pursuant to governing Federal immigration regulations.

Person Citizenship Code

CHAR(3)

DEFINITION: A code that indicates a Person's U.S. Citizenship status.

Person Citizenship Validation Level Qualifier

NUMERIC(3)

DEFINITION: The validation level of the Person Citizenship attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Citizenship Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Person Email Address

DEFINITION: Person Email Address identifies an electronic mail account to and from which email messages may be exchanged. Multiple entries will be maintained in the Enterprise Data Management platform for the Person Email Address attribute.

The EDM platform uses a flat file format for the data extract, transform and load (ETL) process. . The EDM Person Data Extract Guide has Person Email defined as three types, Personal, Work and Other. The data elements Person Email and Person Email Address Validation level Qualifier have been flattened out in the EDM Person Data Extract Guide to Personal Email, Personal Email Validation Level Qualifier, Work Email, Work Email Validation Level Qualifier, Other Email and Other Email Validation Level Qualifier.

Person Email Purpose Code CHAR(1)

DEFINITION: A Person Email Purpose Code denotes the use associated with a Person's electronic mail address as designated by the Person.

REFERENCE VALUES: Person Email Purpose Code (Examples)

Personal
Work
Other

Person Email CHAR(75)

DEFINITION: An address that identifies an electronic mail account to and from which messages may be exchanged.

Person Email Address Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Email Address attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Email Address Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000
Least stringent requirements for validation by the source system: 1

Attribute: Person Ethnicity

DEFINITION: Person Ethnicity denotes a Person's cultural classification based on allegiance or association.

Person Ethnicity Identifying Code CHAR(3)

DEFINITION: A code that denotes a Person's cultural classification.

Person Ethnicity Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Ethnicity attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Ethnicity Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Person Race

DEFINITION: Person Race indicates a Person's classification based on physical characteristics, sociological grouping or human population category.

Person Race Identifying Code CHAR(3)

DEFINITION: A code that denotes a Person's race classification.

Person Race Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Person Race attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Race Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Person Physical Location

DEFINITION: Person Physical Location identifies a geographic place used to describe a Person's place of residence.

Person Physical Location

VARCHAR(250)

DEFINITION: The description of a Person's physical location of residence.

Person Physical Location Validation Level Qualifier

NUMERIC(3)

DEFINITION: The validation level of the Person Physical Location attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Physical Location Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Person Place of Birth

DEFINITION: Person Place of Birth is the geographical and/or political subdivision of a state and country in which a Person was born.

Person Place of Birth State

VARCHAR(15)

DEFINITION: A Person Place of Birth State is the state, commonwealth, province, or other such geopolitical subdivision of a country.

REFERENCE VALUES: Person Place of Birth State (Examples)

USPS Publication 28 = Two-Letter State and Possession Abbreviations (e.g., VA)

Canada Post Corporation Addressing Guidelines = Canadian Provinces and Territories (e.g., ON)

ISO 3166-2:2007 Codes for the representation of names of countries and their subdivisions –
Part 2: Country subdivision code

Person Place of Birth Country

VARCHAR(50)

DEFINITION: A Country Name is the country, territory, dependency, or other such geopolitical subdivision of a location. Required if Address Type is International.

REFERENCE VALUES: Person Place of Birth Country (Examples)

ISO 3166-1 Country Name Text

Person Place of Birth Validation Level Qualifier

NUMERIC(3)

DEFINITION: The validation level of the Person Place of Birth attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Person Place of Birth Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Mother Birth Name

DEFINITION: A Mother Birth Name is the Person's natural mother's last name at the time of her birth. This is usually referred to as the mother's birth name or mother's maiden name.

Mother's Birth Name

VARCHAR(75)

DEFINITION: Mother's Birth Name is the Person's natural mother's last name at the time of her birth.

Mother Birth Name Validation Level Qualifier

NUMERIC(3)

DEFINITION: The validation level of the Mother's Birth Name attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Mother's Birth Name Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: ConnectVirginia Health Information Exchange (HIE) Participant Status

DEFINITION: The *ConnectVirginia* HIE Participant Status field will denote whether a Person has elected to be enrolled as a participant in the *ConnectVirginia* HIE. The *ConnectVirginia* HIE Participant Status field has been included in the standard in anticipation of a future phase of the EDM platform. The field will be populated only when a requirement has been defined to enable data exchanges between the EDM platform and the *ConnectVirginia* HIE.

ConnectVirginia HIE Participant Status CHAR(3)

DEFINITION: *ConnectVirginia* HIE Participant Status will denote whether a Person has elected to be enrolled as a participant in the *ConnectVirginia* HIE.

Attribute: Person Death

DEFINITION: The Person Death has information about a person's death.

Date of Death DATE(YYYYMMDD)

DEFINITION: A date a person died or was declared legally dead.

Date of Death Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Date of Death attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Date of Death Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Death Indicator CHAR(3)

DEFINITION: The Death Indicator denotes whether the Person is dead or alive.

Death Indicator Validation Level Qualifier NUMERIC(3)

DEFINITION: The validation level of the Death Indicator attribute that indicates the level of validation by the source system.

REFERENCE VALUES: Death Indicator Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1

Attribute: Last Update Information

DEFINITION: Last Update Information identifies the date and the time that the record was last changed in the source system and the individual or the system account that made the change in the source system.

Last Update Date and Time

DATE(YYYYMMDDHHMMSS)

DEFINITION: The date and the time associated with the date and time of modification of the current recordset in a source data system. If the record is a new record in the source data system it is the date and the time associated with the date and the time of entry of the current recordset.

Last Update User

VARCHAR(100)

DEFINITION: The user or the system account that made the change to the current recordset in a source data system. If the record is a new record in the source data system it is the user or the system account that entered the recordset.

Attribute: Out of State Indicator

DEFINITION: The Out of State Indicator denotes whether the Person is a resident of the Commonwealth of Virginia.

Out of State Indicator CHAR(3)

DEFINITION: The Out of State Indicator denotes whether the Person is a resident of the Commonwealth of Virginia.

Out of State Indicator Validation Level Qualifier CHAR(3)

DEFINITION: The Out of State Indicator Validation Level Qualifier indicates the level of validation by the source system.

REFERENCE VALUES: Out of State Indicator Validation Level Qualifier (Examples)

Most stringent requirements for validation by the source system: 1000

Least stringent requirements for validation by the source system: 1